



Course Outline

EE412 : Macroeconomics Analysis

Semester 2/2021 (January 10th – May 7th, 2022)

Number of Credit: 3 Credits

Prerequisite: EE 312 and EE 320 (or EE 421)

Course Description: This course is for those undergraduate students who seek to understand advanced macroeconomic tool. The main topics in this course include dynamic macroeconomics and asset price theory that form the insights of various economic policies.

Course Objectives: Encourage students to improve their analytical skills.

Class Time and Logistic

Class day: Wednesday and Friday

Class time: 09.30-11.00 AM

Teaching Materials Platform: BE Moodle

Meeting Platform: Zoom [Meeting ID: 984 8844 0230 Passcode: 746643]

Zoom Link: <https://zoom.us/j/98488440230?pwd=NzRVbzRCYlI0MFoxNHdFeUFRNURUZz09>

Instructor:

Name: Professor Dr. Arayah Preechametta

Office Hours: Wednesday and Friday 11.00-12.00 noon

Email: arayah@econ.tu.ac.th

Phone: 085-0729-566



Main Text: Sargent, Thomas J., Dynamic Macroeconomic Theory, Harvard University Press, Cambridge, 1987.

Recommended Texts & Materials:

Mankiw, Gregory, N., Macroeconomics, Worth Publishers, New York, 2006.

Romer, David. Advanced Macroeconomics, McGraw-Hill, Singapore, 2000.

Suggested Readings:

Blanchard, Olivier, J., and Stanley Fischer, Lectures on Macroeconomics, (Fourth Printing) the MIT Press, Cambridge, 1990.

Grading Criteria:

- Homework Assignment and Class Participation (20%)
- Mid-Term Examination (30%): Wednesday, March 2, 2022; 09.00-11.00 AM.
- Final Examination (50%): Tuesday, May 24, 2022; 09.00-12.00 noon.

Expected Learning Outcomes: Students will understand complex macro policy.

Tentative Class Schedule:

Week/Session	Date	Topics	Instructor
1/1-1/2	12/01/2022 14/01/2022	Introduction: <ul style="list-style-type: none"> - Static analysis - Dynamic analysis 	Arayah
2/1 – 2/2	19/01/2022 21/01/2022	Solving a dynamic problem <ul style="list-style-type: none"> - Traditional method: system of simultaneous equations - Backward recursive method 	Arayah
3/1 – 4/2	26/01/2022 28/01/2022 02/02/2022 04/02/2022	The Bellman's equations and time consistent optimal policies	Arayah

Week/Session	Date	Topics	Instructor
5/1 – 5/2	09/02/2022 11/02/2022	Applications <ul style="list-style-type: none"> - Optimal consumption - Optimal growth 	Arayah
6/1 – 6/2	16/02/2022 18/02/2022	Asset Price: Hall's random walk of theory of consumption	Arayah
7/1 -7/2	23/02/2022 25/02/2022	The random walk theory of stock prices	Arayah
8/1 – 8/2	28/02/2022- 05/02/2022	-----Mid-Term Examination-----	
9/1 - 9/2	09/03/2022 11/03/2022	The random walk theory of stock prices	Arayah
10/1 – 10/2	16/03/2022 18/03/2022	The random walk theory of stock prices	Arayah
11/1 – 12/2	23/03/2022 25/03/2022 30/03/2022 01/04/2022	Lucas's Asset Pricing Function	Arayah
13/1 – 13/2	06/04/2022 08/04/2022	Lucas's Asset Pricing Function and Rational Expectation Equilibrium	Arayah
14/1 – 15/2	20/04/2022 22/04/2022 27/04/2022 29/04/2022	Applications: <ul style="list-style-type: none"> - The term structure of interest rate, - Contingent claims, 	Arayah
16/1 – 16/2	04/05/2022 06/05/2022	<ul style="list-style-type: none"> - The value of a firm - Government debt: the Ricardian Equivalence 	Arayah
	24/05/2022	-----Final Examination-----	